



WESTON SOLUTIONS, INC.
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The Trusted Integrator for Sustainable Solutions

April 18, 2013

Mr. Andrew Fessler, Work Assignment Manager
U.S. Environmental Protection Agency
290 Broadway - 18th Floor
New York, NY 10007-1866

Document Control No.: 2099-2A-BDEJ

Subject: Sampling Trip Report
Work Assignment No. 2099, A.M.A. Div. of the Ore and Chemical Corp.
Preliminary Assessment/Site Inspection (PA/SI)
Contract No.: EP-S5-06-04, TDD No.: S05-0013-1302-004

Dear Mr. Fessler:

Weston Solutions, Inc. (WESTON®) is pleased to submit the Sampling Trip Report for the soil sampling associated with the A.M.A. Div. of the Ore and Chemical Corp. (AMA) PA/SI assignment. WESTON personnel collected soil samples from the grassy areas within the right-of-way (ROW) adjacent to the former AMA smelter building footprint and from the ROWs located around surrounding neighborhoods on April 9 and 10, 2013. If you have any questions, please contact me at (732) 417-5814.

Very truly yours,

WESTON SOLUTIONS, INC.

Denise Breen
Assistant Project Scientist

enclosure

cc:

C. Romano, EPA (w/o enclosure)
G. Gilliland, WESTON (w/o enclosure)
Site file

SAMPLING TRIP REPORT

SITE NAME: A.M.A. Div. of the Ore and Chemical Corp. (AMA)
DCN: 2099-2A-BDEJ
W.O.: 20405.012.013.2099.00
CLP Case No.: No case number assigned

EPA I.D. NO.: NYN000206673

SAMPLING DATES: April 9-10, 2013

1. Site Location: Refer to Figure 1
2. Site Map: Refer to Figure 2
2. Sample Locations: Refer to Figure 3
4. Laboratories Receiving Samples:

Analyses

Name and Address of Laboratory

Target Analyte List (TAL) Inorganics plus tin (Sn)

EPA Region 2 Division of Environmental
Science and Assessment (DESA)
2890 Woodbridge Avenue
Building 209
Edison, NJ 08837

5. Sample Dispatch Data:
 - Thirty-five soil samples for TAL Inorganics (plus Sn) analysis were collected on 4/9/13 and delivered to the DESA lab at 1130 on 4/11/13.
 - Forty-four soil samples and one aqueous rinsate blank for TAL Inorganics (plus Sn) analysis were collected on 4/10/13 and delivered to the DESA lab at 1130 on 4/11/13.
6. Sampling Personnel:

Name	Organization	Site Duties
Denise Breen	WESTON	Field Team Leader, Global Positioning System (GPS) Data Collection, Sampler

Daniel Carlson	WESTON	Site Health and Safety Coordinator (SHSC), GPS Data Collection
Sean Gavlas	WESTON	Sample Management Officer (SMO), Sampler, GPS Data Collection
Andrew Fessler	EPA	Work Assignment Manager (WAM)
Stephanie Sessoms-Midgitt	EPA	Remedial Project Manager (RPM) (4/9/13)
Natalie Loney	EPA	Community Involvement Coordinator (CIC)
Margaret Gregor	EPA	On-Scene Coordinator (OSC) (4/9/13)

7. Additional Comments:

From April 9-10, 2013, WESTON personnel collected a total of 79 surface and subsurface soil samples (including 4 environmental duplicate samples) from the ROW adjacent to the former AMA building footprint and from ROW locations in surrounding neighborhoods within a ½-mile radius.

Surface and subsurface soil samples were collected from a total of 15 locations within Oceanside, NY. All samples were collected from the ROWs located within the grassy areas between the streets and sidewalks. Potential source samples were collected from three locations along the ROW on Lawson Boulevard adjacent to the former AMA smelter building footprint. Potential release samples were collected from six sample locations based on historic wind direction: southeast, south, and southwest of the former AMA building footprint. The six sample locations north of the former AMA smelter building footprint are considered to be background sample locations upwind of the influence of site activities, based on the historic wind directions.


At each sample location, soil samples were collected at depth intervals of 0-1 inch, 1-6 inches, 6-12 inches, 12-18 inches, and 18-24 inches using a decontaminated stainless-steel auger. There were no photoionization detector (PID) readings above background from any soil from any location. Each sample was homogenized in a dedicated, disposable aluminum tray with a dedicated, disposable plastic scoop prior to insertion into the sample container. All remaining soil not used for laboratory analysis was discarded at the sampling location.

All soil samples were submitted for analysis of TAL Inorganics (plus tin). Soil samples collected from the 0-1 inch interval were designated for sieving by EPA DESA with a 250-micron, stainless-steel sieve and pan. Four soil samples were designated as Matrix Spike/Matrix Spike Duplicate (MS/MSD) for Quality Assurance/Quality Control (QA/QC) purposes. One

rinsate blank was collected to demonstrate adequate decontamination of non-dedicated sampling equipment (hand auger).

WESTON logged sample locations electronically using GPS equipment and performed post-processing differential correction of the GPS data in accordance with EPA Region 2 GPS Standard Operating Procedures. The processed GPS data for all samples has been transferred to the Sample Location Map (Figure 3) using Geographic Information Systems.

All samples were collected from locations associated with the former AMA under the Region V Superfund Technical Assessment and Response Team III (START III) contract. All samples were hand-delivered to the EPA DESA lab for analysis. The Chain-of-Custody Records are presented in Attachment 1.

8. Report Prepared by: 
Denise Breen Date: 4/18/13


9. Report Approved by: 
Gerald V. Gilliland, P.G. Date: 4/18/13

TABLE 1
SAMPLE DESCRIPTIONS
A.M.A. DIV. OF THE ORE AND CHEMICAL CORP.
OCEANSIDE, NEW YORK

Sample No.	Date	Time	Comments
2099-S01-0-1	4/10/13	1555	Soil sample collected from the right-of-way (ROW) area adjacent to the east side of the former smelter building. Depth: 0-1 inch. Description: Medium brown silty sand, some gravel and organic matter; moist.
2099-S01-1-6 (MS/MSD)	4/10/13	1600	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 1-6 inches. Description: Medium brown silty sand, some gravel and trace organic matter; moist. Matrix Spike/Matric Spike Duplicate (MS/MSD) for Quality Assurance/Quality Control (QA/QC) purposes.
2099-S01-6-12	4/10/13	1605	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 6-12 inches. Description: Orange/brown silty sand, trace gravel; moist.
2099-S01-12-18	4/10/13	1610	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 12-18 inches. Description: Orange/brown silty sand, trace gravel; moist.
2099-S01-18-24	4/10/13	1615	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 18-24 inches. Description: Orange/brown silty sand, trace gravel; moist.
2099-S02-0-1	4/10/13	1425	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 0-1 inch. Description: Medium brown silty sand, some gravel and organic matter; moist.
2099-S02-1-6	4/10/13	1430	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 1-6 inches. Description: Medium brown silty sand, some gravel and trace organic matter; moist.
2099-S02-6-12	4/10/13	1440	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 6-12 inches. Description: Orange/medium brown silty sand, some gravel; moist.
2099-S02-12-18	4/10/13	1450	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 12-18 inches. Description: Medium brown silty sand, some gravel; moist.
2099-S02-18-24	4/10/13	1500	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 18-24 inches. Description: Medium brown silty sand, some gravel and organic matter; moist.
2099-S03-0-1	4/10/13	1517	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 0-1 inch. Description: Medium brown silty sand, some gravel and organic matter; moist.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
A.M.A. DIV. OF THE ORE AND CHEMICAL CORP.
OCEANSIDE, NEW YORK

Sample No.	Date	Time	Comments
2099-S03-1-6	4/10/13	1523	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 1-6 inches. Description: Medium brown silty sand, some gravel; moist.
2099-S03-6-12	4/10/13	1528	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 6-12 inches. Description: Medium tan/brown silty sand, some gravel; moist.
2099-S03-12-18	4/10/13	1539	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 12-18 inches. Description: Medium tan/brown silty sand, some gravel; moist.
2099-S03-18-24	4/10/13	1544	Soil sample collected from the ROW area adjacent to the east side of the former smelter building. Depth: 18-24 inches. Description: Medium tan/brown silty sand, some gravel and wood chips; moist.
2099-S04-0-1	4/9/13	1452	Soil sample collected from the ROW area located outside of 3401 Lawson Boulevard. Depth: 0-1 inch. Description: Medium brown silty sand, trace gravel; moist.
2099-S04-1-6	4/9/13	1500	Soil sample collected from the ROW area located near 3401 Lawson Boulevard. Depth: 1-6 inches. Description: Medium brown silty sand, some gravel; moist.
2099-S04-6-12	4/9/13	1505	Soil sample collected from the ROW area located near 3401 Lawson Boulevard. Depth: 6-12 inches. Description: Medium brown silty sand, some gravel; moist.
2099-S04-12-18	4/9/13	1512	Soil sample collected from the ROW area located near 3401 Lawson Boulevard. Depth: 12-18 inches. Description: Medium brown silty sand, some gravel; moist.
2099-S04-18-24	4/9/13	1517	Soil sample collected from the ROW area located near 3401 Lawson Boulevard. Depth: 18-24 inches. Description: Tan/light brown sand, some gravel and trace silt; moist.
2099-S05-0-1	4/10/13	0727	Soil sample collected from the ROW area on corner of Riverside Drive and Westminster Road. Depth: 0-1 inch. Description: Medium brown silty sand, some organic matter and trace gravel; moist.
2099-S05-1-6	4/10/13	0732	Soil sample collected from the ROW area on corner of Riverside Drive and Westminster Road. Depth: 1-6 inches. Description: Tan/medium brown silty sand, some gravel and trace organic matter; moist.
2099-S05-6-12	4/10/13	0747	Soil sample collected from the ROW area on corner of Riverside Drive and Westminster Road. Depth: 6-12 inches. Description: Tan/light brown silty sand, some gravel; moist.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
A.M.A. DIV. OF THE ORE AND CHEMICAL CORP.
OCEANSIDE, NEW YORK

Sample No.	Date	Time	Comments
2099-S05-12-18 (MS/MSD)	4/10/13	0742	Soil sample collected from the ROW area on corner of Riverside Drive and Westminster Road. Depth: 12-18 inches. Description: Tan/orange/medium brown sand, some gravel and trace silt; moist. MS/MSD for QA/QC purposes.
2099-S05-18-24	4/10/13	0753	Soil sample collected from the ROW area on corner of Riverside Drive and Westminster Road. Depth: 18-24 inches. Description: Light tan/light brown sand, some gravel; moist.
2099-S06-0-1	4/10/13	0810	Soil sample collected from the ROW area in front of 3476 Westminster Road. Depth: 0-1 inch. Description: Medium brown silty sand, some organic matter and trace gravel; moist.
2099-S06-1-6	4/10/13	0815	Soil sample collected from the ROW area in front of 3476 Westminster Road. Depth: 1-6 inches. Description: Medium brown silty sand, some gravel and trace organic matter; moist.
2099-S06-6-12	4/10/13	0822	Soil sample collected from the ROW area in front of 3476 Westminster Road. Depth: 6-12 inches. Description: Medium brown silty sand, some gravel and cobbles; moist.
2099-S06-12-18	4/10/13	0828	Soil sample collected from the ROW area in front of 3476 Westminster Road. Depth: 12-18 inches. Description: Tan/orange/medium brown silty sand, some gravel and trace cobbles; moist.
2099-S06-18-24	4/10/13	0832	Soil sample collected from the ROW area in front of 3476 Westminster Road. Depth: 18-24 inches. Description: Tan/light brown sand, some gravel, trace cobbles and trace silt; moist.
2099-S07-0-1	4/10/13	1122	Soil sample collected from the ROW area located on Yost Boulevard located closest to Henrietta Avenue. Depth: 0-1 inch. Description: Medium brown silty sand, trace gravel and organic matter; moist.
2099-S07-1-6	4/10/13	1125	Soil sample collected from the ROW area located on Yost Boulevard located closest to Henrietta Avenue. Depth: 1-6 inches. Description: Medium brown silty sand, trace gravel and organic matter; moist.
2099-S07-6-12	4/10/13	1130	Soil sample collected from the ROW area located on Yost Boulevard located closest to Henrietta Avenue. Depth: 6-12 inches. Description: Light tan/orange sand, trace gravel; moist.
2099-S07-12-18	4/10/13	1135	Soil sample collected from the ROW area located on Yost Boulevard located closest to Henrietta Avenue. Depth: 12-18 inches. Description: Light tan/orange sand, trace gravel; moist.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
A.M.A. DIV. OF THE ORE AND CHEMICAL CORP.
OCEANSIDE, NEW YORK

Sample No.	Date	Time	Comments
2099-S07-18-24	4/10/13	1140	Soil sample collected from the ROW area located on Yost Boulevard located closest to Henrietta Avenue. Depth: 18-24 inches. Description: Light tan/orange sand, trace gravel; moist.
2099-S08-0-1	4/10/13	1028	Soil sample collected from the ROW area located on Yost Boulevard located closest to Virginia Avenue. Depth: 0-1 inch. Description: Brown silty sand, organic matter and trace gravel; moist.
2099-S08-1-6	4/10/13	1038	Soil sample collected from the ROW area located on Yost Boulevard located closest to Virginia Avenue. Depth: 1-6 inches. Description: Medium brown silty sand, some gravel and trace organic matter; moist.
2099-S08-6-12	4/10/13	1045	Soil sample collected from the ROW area located on Yost Boulevard located closest to Virginia Avenue. Depth: 6-12 inches. Description: Medium brown silty sand, some gravel and trace organic matter; moist.
2099-S08-12-18	4/10/13	1050	Soil sample collected from the ROW area located on Yost Boulevard located closest to Virginia Avenue. Depth: 12-18 inches. Description: Tan/orange/light brown silty sand, some gravel; moist.
2099-S08-18-24	4/10/13	1055	Soil sample collected from the ROW area located on Yost Boulevard located closest to Virginia Avenue. Depth: 18-24 inches. Description: Tan/orange/light brown silty sand, some gravel; moist.
2099-S09-0-1	4/10/13	0925	Soil sample collected from ROW area on Oceanlea Drive near Harris Drive. Depth: 0-1 inch. Description: Medium brown silty sand, some gravel and organic matter; moist.
2099-S09-1-6	4/10/13	0932	Soil sample collected from ROW area on Oceanlea Drive near Harris Drive. Depth: 1-6 inches. Description: Medium brown silty sand, some gravel and trace organic matter; moist.
2099-S09-6-12	4/10/13	0938	Soil sample collected from ROW area on Oceanlea Drive near Harris Drive. Depth: 6-12 inches. Description: Medium brown silty sand, trace gravel; moist.
2099-S09-12-18	4/10/13	0945	Soil sample collected from ROW area on Oceanlea Drive near Harris Drive. Depth: 12-18 inches. Description: Medium brown silty sand, some gravel; moist.
2099-S09-18-24	4/10/13	0950	Soil sample collected from ROW area on Oceanlea Drive near Harris Drive. Depth: 18-24 inches. Description: Medium brown silty sand, some gravel; moist.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
A.M.A. DIV. OF THE ORE AND CHEMICAL CORP.
OCEANSIDE, NEW YORK

Sample No.	Date	Time	Comments
2099-S10-0-1	4/9/13	1313	Soil sample collected from ROW area located in front of 390 Waukena Avenue. Depth: 0-1 inch. Description: Medium brown, sandy silt, some organic matter and some gravel; dry.
2099-S10-1-6	4/9/13	1333	Soil sample collected from ROW area located in front of 390 Waukena Avenue. Depth: 1-6 inches. Description: Medium-dark brown silty sand, some gravel; moist.
2099-S10-6-12	4/9/13	1338	Soil sample collected from ROW area located in front of 390 Waukena Avenue. Depth: 6-12 inches. Description: Tan/orange/brown sand, some gravel and trace silt; moist.
2099-S10-12-18	4/9/13	1405	Soil sample collected from ROW area located in front of 390 Waukena Avenue. Depth: 12-18 inches. Description: Tan/orange/light brown sand, some gravel and trace silt; moist.
2099-S10-18-24	4/9/13	1410	Soil sample collected from ROW area located in front of 390 Waukena Avenue. Depth: 18-24 inches. Description: Tan/orange/light brown sand, some gravel and trace silt; moist.
2099-S11-0-1	4/9/13	1318	Soil sample collected from the ROW area in front of 384 Waukena Avenue. Depth: 0-1 inch. Description: Medium brown sandy silt, some organic matter and gravel; dry.
2099-S11-1-6	4/9/13	1324	Soil sample collected from the ROW area in front of 384 Waukena Avenue. Depth: 1-6 inches. Description: Medium brown silty sand, trace gravel; moist.
2099-S11-6-12	4/9/13	1330	Soil sample collected from the ROW area in front of 384 Waukena Avenue. Depth: 6-12 inches. Description: Tan/medium brown sand, trace silt; moist.
2099-S11-12-18	4/9/13	1343	Soil sample collected from the ROW area in front of 384 Waukena Avenue. Depth: 12-18 inches. Description: Tan/medium brown sand, trace silt and gravel; moist.
2099-S11-18-24 (MS/MSD)	4/9/13	1354	Soil sample collected from the ROW area in front of 384 Waukena Avenue. Depth: 18-24 inches. Description: Tan/orange/medium brown sand, some gravel and trace silt; moist. MS/MSD for QA/QC purposes.
2099-S12-0-1	4/9/13	1020	Soil sample collected from ROW area on Messick Avenue, directly adjacent from the ball field. Depth: 0-1 inch. Description: Light brown sand and organic matter, trace silt; dry.
2099-S12-1-6	4/9/13	1028	Soil sample collected from ROW area on Messick Avenue, directly adjacent from the ball field. Depth: 1-6 inches. Description: Medium brown silty sand, trace organic matter and gravel; moist.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS
A.M.A. DIV. OF THE ORE AND CHEMICAL CORP.
OCEANSIDE, NEW YORK

Sample No.	Date	Time	Comments
2099-S12-6-12	4/9/13	1040	Soil sample collected from ROW area on Messick Avenue, directly adjacent from the ball field. Depth: 6-12 inches. Description: Light tan/brown sand, trace cobbles; moist.
2099-S12-12-18	4/9/13	1050	Soil sample collected from ROW area on Messick Avenue, directly adjacent from the ball field. Depth: 12-18 inches. Description: Tan/orange/brown sand, trace gravel; moist.
2099-S12-18-24	4/9/13	1100	Soil sample collected from ROW area on Messick Avenue, directly adjacent from the ball field. Depth: 18-24 inches. Description: Light tan sand, trace cobbles; moist.
2099-S13-0-1	4/9/13	1023	Soil sample collected from ROW area on Messick Avenue, directly adjacent from the ball field. Depth: 0-1 inch. Description: Medium brown silty sand, organic matter and trace gravel; moist.
2099-S13-1-6	4/9/13	1035	Soil sample collected from ROW area on Messick Avenue, directly adjacent from the ball field. Depth: 1-6 inches. Description: Medium brown silty sand, some gravel; moist.
2099-S13-6-12	4/9/13	1045	Soil sample collected from ROW area on Messick Avenue, directly adjacent from the ball field. Depth: 6-12 inches. Description: Tan/orange/brown sand, trace gravel; moist.
2099-S13-12-18	4/9/13	1055	Soil sample collected from ROW area on Messick Avenue, directly adjacent from the ball field. Depth: 12-18 inches. Description: Tan/orange/brown sand, trace gravel; moist.
2099-S13-18-24	4/9/13	1115	Soil sample collected from co-location ROW area on Messick Avenue, directly adjacent from the ball field. Depth: 18-24 inches. Description: Light tan sand, trace gravel; moist.
2099-S14-0-1	4/9/13	0915	Soil sample collected from the ROW on Bambrick Street. Depth: 0-1 inch. Description: Medium brown silty sand, some organic matter; dry.
2099-S14-1-6 (MS/MSD)	4/9/13	0920	Soil sample collected from the ROW on Bambrick Street. Depth: 1-6 inches. Description: Medium brown silty sand, some gravel and organic matter; moist. MS/MSD for QA/QC purposes.
2099-S14-6-12	4/9/13	0930	Soil sample collected from the ROW on Bambrick Street. Depth: 6-12 inches. Description: Medium brown silty sand, some gravel and organic matter; moist.
2099-S14-12-18	4/9/13	0935	Soil sample collected from the ROW on Bambrick Street. Depth: 12-18 inches. Description: Medium brown silty sand, some gravel; moist.
2099-S14-18-24	4/9/13	0945	Soil sample collected from the ROW on Bambrick Street. Depth: 18-24 inches. Description: medium brown silty sand, some gravel; moist.

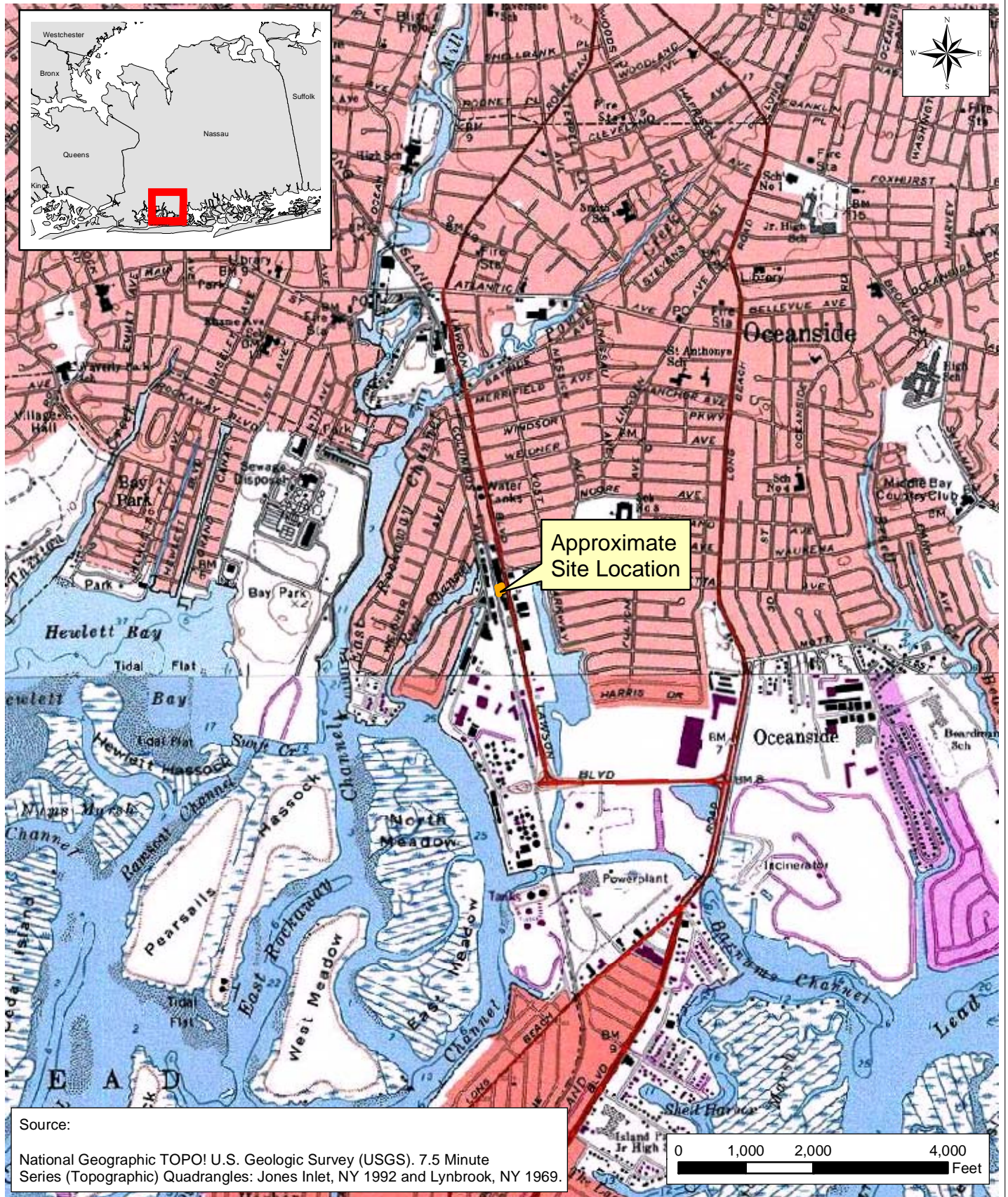
TABLE 1 (continued)
SAMPLE DESCRIPTIONS
A.M.A. DIV. OF THE ORE AND CHEMICAL CORP.
OCEANSIDE, NEW YORK

Sample No.	Date	Time	Comments
2099-S15-0-1	4/9/13	0820	Soil sample collected from the ROW on Bambrick Street. Depth: 0-1 inch. Description: Medium brown sand, organic debris, some silt; dry.
2099-S15-1-6	4/9/13	0830	Soil sample collected from the ROW on Bambrick Street. Depth: 1-6 inches. Description: Light brown sand, trace silt, some gravel and minimal organic matter; dry.
2099-S15-6-12	4/9/13	0840	Soil sample collected from the ROW on Bambrick Street. Depth: 6-12 inches. Description: Medium brown sand, trace silt and some gravel and cobbles; little organic matter; moist.
2099-S15-12-18	4/9/13	0855	Soil sample collected from the ROW on Bambrick Street. Depth: 12-18 inches. Description: Medium brown sand, trace silt and some gravel and cobbles; little organic matter; moist.
2099-S15-18-24	4/9/13	0905	Soil sample collected from the ROW on Bambrick Street. Depth: 18-24 inches. Description: Medium brown sand, trace silt and some gravel and cobbles; little organic matter; moist
2099-S16-1-6	4/10/13	1433	Duplicate of 2099-S02-1-6
2099-S16-6-12	4/10/13	1444	Duplicate of 2099-S02-6-12
2099-S16-12-18	4/10/13	1455	Duplicate of 2099-S02-12-18
2099-S16-18-24	4/10/13	1502	Duplicate of 2099-S02-18-24
2099-RIN01	4/10/13	0740	Rinsate blank sample collected from the decontaminated auger head.

FIGURE 1 – SITE LOCATION MAP

FIGURE 2 – SITE MAP

FIGURE 3 – SAMPLE LOCATION MAP



LEGEND:



Approximate Site Location

PROJECT:

A.M.A. Div. of the Ore and Chemical Corp.

CLIENT NAME:

EPA

TITLE:

Site Location Map
A.M.A. Div. of the Ore and Chemical Corp.
3400 Lawson Boulevard
Oceanside, NY 11572

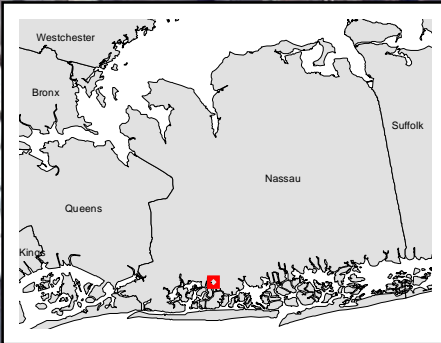


DATE:

April 2013

FIGURE #:

1



Source:
U.S. Geological Survey (USGS), High Resolution Orthoimagery
Published May 2009, <http://earthexplorer.usgs.gov>.

0 50 100 200
Feet

LEGEND:



Approximate footprint of the former AMA
smelter as noted on 1964 Property Card.

PROJECT:

A.M.A. Div. of the Ore and Chemical Corp.

CLIENT NAME:

EPA

TITLE:

Site Map
A.M.A. Div. of the Ore and Chemical Corp.
3400 Lawson Boulevard
Oceanside, NY 11572

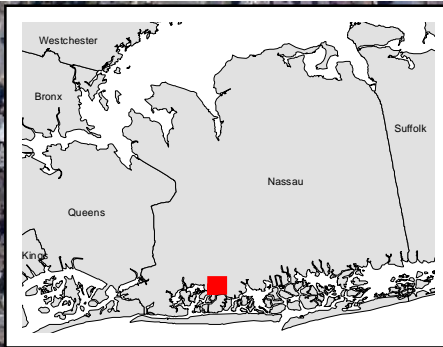


DATE:

April 2013

FIGURE #:

2



LEGEND:



Soil Sample Location



Approximate footprint of the former AMA smelter as noted on 1964 Property Card.

PROJECT:

A.M.A. Div. of the Ore and Chemical Corp.

CLIENT NAME:

EPA

TITLE:

Soil Sample Location Map
A.M.A. Div. of the Ore and Chemical Corp.
3400 Lawson Boulevard
Oceanside, NY 11572



DATE:

April 2013

FIGURE #:

3

ATTACHMENT 1
CHAIN OF CUSTODY RECORDS

CHAIN OF CUSTODY RECORD

Site # A22X(CAMA Site)

Contact Name: Sean Gavlas

Contact Phone: 609-433-8434

No: 2-041113-073430-0001

Lab: DESA

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	2099-S04-0-1	2099-S04	TAL Metals+Sn	Soil	4/9/2013	14:52	1	4 oz. glass jar	4 C	N
	2099-S04-12-18	2099-S04	TAL Metals+Sn	Soil	4/9/2013	15:12	1	4 oz. glass jar	4 C	N
	2099-S04-1-6	2099-S04	TAL Metals+Sn	Soil	4/9/2013	15:00	1	4 oz. glass jar	4 C	N
	2099-S04-18-24	2099-S04	TAL Metals+Sn	Soil	4/9/2013	15:17	1	4 oz. glass jar	4 C	N
	2099-S04-6-12	2099-S04	TAL Metals+Sn	Soil	4/9/2013	15:05	1	4 oz. glass jar	4 C	N
	2099-S10-0-1	2099-S10	TAL Metals+Sn	Soil	4/9/2013	13:13	1	4 oz. glass jar	4 C	N
	2099-S10-12-18	2099-S10	TAL Metals+Sn	Soil	4/9/2013	14:05	1	4 oz. glass jar	4 C	N
	2099-S10-1-6	2099-S10	TAL Metals+Sn	Soil	4/9/2013	13:33	1	4 oz. glass jar	4 C	N
	2099-S10-18-24	2099-S10	TAL Metals+Sn	Soil	4/9/2013	14:10	1	4 oz. glass jar	4 C	N
	2099-S10-6-12	2099-S10	TAL Metals+Sn	Soil	4/9/2013	13:38	1	4 oz. glass jar	4 C	N
	2099-S11-0-1	2099-S11	TAL Metals+Sn	Soil	4/9/2013	13:18	1	4 oz. glass jar	4 C	N
	2099-S11-12-18	2099-S11	TAL Metals+Sn	Soil	4/9/2013	13:43	1	4 oz. glass jar	4 C	N
	2099-S11-1-6	2099-S11	TAL Metals+Sn	Soil	4/9/2013	13:24	1	4 oz. glass jar	4 C	N
	2099-S11-18-24	2099-S11	TAL Metals+Sn	Soil	4/9/2013	13:54	1	4 oz. glass jar	4 C	Y
	2099-S11-6-12	2099-S11	TAL Metals+Sn	Soil	4/9/2013	13:30	1	4 oz. glass jar	4 C	N
	2099-S12-0-1	2099-S12	TAL Metals+Sn	Soil	4/9/2013	10:20	1	4 oz. glass jar	4 C	N
	2099-S12-12-18	2099-S12	TAL Metals+Sn	Soil	4/9/2013	10:50	1	4 oz. glass jar	4 C	N
	2099-S12-1-6	2099-S12	TAL Metals+Sn	Soil	4/9/2013	10:28	1	4 oz. glass jar	4 C	N
	2099-S12-18-24	2099-S12	TAL Metals+Sn	Soil	4/9/2013	11:00	1	4 oz. glass jar	4 C	N

Special Instructions: Please send results to Sean Gavlas (sean.gavlas@westonsolutions.com)

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

$T_{\text{env}} = 5.0^{\circ}\text{C}$ and ice at 4/11/13

CHAIN OF CUSTODY RECORD

Site # A22X (ANK Site 2)
Contact Name: Sean Gavlas
Contact Phone: 609-433-8434

No: 2-041113-073430-0001

Lab: DESA
Lab Phone: 732-906-6886

[illegible]

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Special Instructions: Please send results to Sean Gavlus (sean.gavlus@westonsolutions.com)

[illegible]

USEPA

Date Shipped:

CHAIN OF CUSTODY RECORD

Site # A22X (AMA Site)

Contact Name: Sean Gavlas

Contact Phone: 609-433-8434

No: 2-041113-075125-0002

Lab: DESA


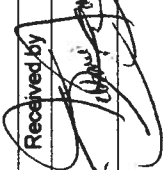
Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	2099-RIN01	Rinsate Blank	TAL Metals+Sn	Aqueous	4/10/2013	07:40	1	1 L poly	HNO3 pH<2	N
	2099-S01-0-1	2099-S01	TAL Metals+Sn	Soil	4/10/2013	15:55	1	4 oz. glass jar	4 C	N
	2099-S01-12-18	2099-S01	TAL Metals+Sn	Soil	4/10/2013	16:10	1	4 oz. glass jar	4 C	N
	2099-S01-1-6	2099-S01	TAL Metals+Sn	Soil	4/10/2013	16:00	1	4 oz. glass jar	4 C	Y
	2099-S01-18-24	2099-S01	TAL Metals+Sn	Soil	4/10/2013	16:15	1	4 oz. glass jar	4 C	N
	2099-S01-6-12	2099-S01	TAL Metals+Sn	Soil	4/10/2013	16:05	1	4 oz. glass jar	4 C	N
	2099-S02-0-1	2099-S02	TAL Metals+Sn	Soil	4/10/2013	14:25	1	4 oz. glass jar	4 C	N
	2099-S02-12-18	2099-S02	TAL Metals+Sn	Soil	4/10/2013	14:50	1	4 oz. glass jar	4 C	N
	2099-S02-1-6	2099-S02	TAL Metals+Sn	Soil	4/10/2013	14:30	1	4 oz. glass jar	4 C	N
	2099-S02-18-24	2099-S02	TAL Metals+Sn	Soil	4/10/2013	15:00	1	4 oz. glass jar	4 C	N
	2099-S02-6-12	2099-S02	TAL Metals+Sn	Soil	4/10/2013	14:40	1	4 oz. glass jar	4 C	N
	2099-S03-0-1	2099-S03	TAL Metals+Sn	Soil	4/10/2013	15:17	1	4 oz. glass jar	4 C	N
	2099-S03-12-18	2099-S03	TAL Metals+Sn	Soil	4/10/2013	15:39	1	4 oz. glass jar	4 C	N
	2099-S03-1-6	2099-S03	TAL Metals+Sn	Soil	4/10/2013	15:23	1	4 oz. glass jar	4 C	N
	2099-S03-18-24	2099-S03	TAL Metals+Sn	Soil	4/10/2013	15:44	1	4 oz. glass jar	4 C	N
	2099-S03-6-12	2099-S03	TAL Metals+Sn	Soil	4/10/2013	15:28	1	4 oz. glass jar	4 C	N
	2099-S05-0-1	2099-S05	TAL Metals+Sn	Soil	4/10/2013	07:27	1	4 oz. glass jar	4 C	N
	2099-S05-12-18	2099-S05	TAL Metals+Sn	Soil	4/10/2013	07:42	1	4 oz. glass jar	4 C	Y
	2099-S05-1-6	2099-S05	TAL Metals+Sn	Soil	4/10/2013	07:32	1	4 oz. glass jar	4 C	N

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY

Special Instructions: Please send results to Sean Gavlas (sean.gavlas@westonsolutions.com)

Items/Reason	Relinquished by	Date	Received by	Date	Relinquished By	Date	Received by	Date	Time
All Samples / All Analyses		4/11/13		4/11/13					11:30

Temp = 8.1°C on ice 4/11/13

CHAIN OF CUSTODY RECORD

Site # A22X (AWA Site)

Contact Name: Sean Gavlas

Contact Phone: 609-433-8434

No: 2-041113-075125-0002

Lab: DESA

Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	2099-S05-18-24	2099-S05	TAL Metals+Sn	Soil	4/10/2013	07:53	1	4 oz. glass jar	4 C	N
	2099-S05-6-12	2099-S05	TAL Metals+Sn	Soil	4/10/2013	07:47	1	4 oz. glass jar	4 C	N
	2099-S06-0-1	2099-S06	TAL Metals+Sn	Soil	4/10/2013	08:10	1	4 oz. glass jar	4 C	N
	2099-S06-12-18	2099-S06	TAL Metals+Sn	Soil	4/10/2013	08:28	1	4 oz. glass jar	4 C	N
	2099-S06-1-6	2099-S06	TAL Metals+Sn	Soil	4/10/2013	08:15	1	4 oz. glass jar	4 C	N
	2099-S06-18-24	2099-S06	TAL Metals+Sn	Soil	4/10/2013	08:32	1	4 oz. glass jar	4 C	N
	2099-S06-6-12	2099-S06	TAL Metals+Sn	Soil	4/10/2013	08:22	1	4 oz. glass jar	4 C	N
	2099-S07-0-1	2099-S07	TAL Metals+Sn	Soil	4/10/2013	11:22	1	4 oz. glass jar	4 C	N
	2099-S07-12-18	2099-S07	TAL Metals+Sn	Soil	4/10/2013	11:35	1	4 oz. glass jar	4 C	N
	2099-S07-1-6	2099-S07	TAL Metals+Sn	Soil	4/10/2013	11:25	1	4 oz. glass jar	4 C	N
	2099-S07-18-24	2099-S07	TAL Metals+Sn	Soil	4/10/2013	11:40	1	4 oz. glass jar	4 C	N
	2099-S07-6-12	2099-S07	TAL Metals+Sn	Soil	4/10/2013	11:30	1	4 oz. glass jar	4 C	N
	2099-S08-0-1	2099-S08	TAL Metals+Sn	Soil	4/10/2013	10:28	1	4 oz. glass jar	4 C	N
	2099-S08-12-18	2099-S08	TAL Metals+Sn	Soil	4/10/2013	10:50	1	4 oz. glass jar	4 C	N
	2099-S08-1-6	2099-S08	TAL Metals+Sn	Soil	4/10/2013	10:38	1	4 oz. glass jar	4 C	N
	2099-S08-18-24	2099-S08	TAL Metals+Sn	Soil	4/10/2013	10:55	1	4 oz. glass jar	4 C	N
	2099-S08-6-12	2099-S08	TAL Metals+Sn	Soil	4/10/2013	10:45	1	4 oz. glass jar	4 C	N
	2099-S09-0-1	2099-S09	TAL Metals+Sn	Soil	4/10/2013	09:25	1	4 oz. glass jar	4 C	N
	2099-S09-12-18	2099-S09	TAL Metals+Sn	Soil	4/10/2013	09:45	1	4 oz. glass jar	4 C	N

Special Instructions: Please send results to Sean Gavlus (sean.gavlus@westonsolutions.com)

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

CHAIN OF CUSTODY RECORD

Site # A22X

Contact Name: Sean Gavlas

Contact Phone: 609-433-8434

No: 2-041113-075125-0002

Lab: DESA

Lab Phone: 732-906-6886

[illegible]

<p>Special Instructions: Please send results to Sean Gavras (sean.gavras@westonsolutions.com)</p>	<p>SAMPLES TRANSFERRED FROM</p>
<p>CHAIN OF CUSTODY #</p>	

[illegible]